IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A data conversion apparatus comprising:

a storage unit configured to store first and second conversion tables to convert predetermined 4-bit data into 6-bit data; and

a conversion unit configured to convert the predetermined 4-bit data into the 6-bit data by using one of the first and second conversion tables stored in the storage unit,

wherein each of the first and second conversion tables includes 16 6-bit conversion codes to convert 16 4-bit data into 16 6-bit data,

the 6-bit conversion code in the first and second conversion tables is a code which converts the 4-bit data into the 6-bit data that allows 1 as the minimum number of consecutive "0" bits between successive "1" bits,

a code at an end of at least one of all the 6-bit conversion codes in the first and second conversion tables is an inversion bit for DC suppression, and

the inversion bit selects one of "0" and "1" in accordance with a predetermined condition.

Claim 2 (Original): An apparatus according to claim 1, wherein each 6-bit conversion code contained in the first and second conversion tables stored in the storage unit contains information to designate a conversion table to be used for next data conversion.

Claim 3 (Cancelled).

Claim 4 (Original): A data conversion method of converting predetermined 4-bit data into 6-bit data, comprising:

converting the predetermined 4-bit data into the 6-bit data by using one of first and second conversion tables;

wherein each of the first and second conversion tables includes 16 6-bit conversion codes to convert 16 4-bit data into 16 6-bit data,

the 6-bit conversion code in the first and second conversion tables is a code which converts the 4-bit data into the 6-bit data that allows 1 as the minimum number of consecutive "0" bits between successive "1" bits,

a code at an end of at least one of all the 6-bit conversion codes in the first and second conversion tables is an inversion bit for DC suppression, and

the inversion bit selects one of "0" and "1" in accordance with a predetermined condition.

Claim 5 (Original): A method according to Claim 4, wherein each 6-bit conversion code contained in the first and second conversion tables contains information to designate a conversion table to be used for next data conversion.

Claim 6 (Cancelled).